

ABSTRACT

5 The present invention provides a method for
evaluating hair damage. The method comprises
specifically labeling the carbonyl group of an oxidized
protein in hair with fluorescence and detecting the
fluorescence. The damage can be caused by any of perm
treatment, bleach treatment, treatment with an oxidation
hairdye, combing, heat treatment, exposure to ultraviolet
10 rays, and exposure to hypochlorous acid in swimming
pools, or a combination thereof.